

SM3H 2.5 odd answers

1. $a^4 + 4a^3b + 6a^2b^2 + 4ab^3 + b^4$

3. 120

5. 36

7. 364

9. 28

11. $f(x) = x^5 - 10x^4 + 40x^3 - 80x^2 + 80x - 32$

13. $16x^4 + 32x^3y + 24x^2y^2 + 8xy^3 + y^4$

15. $x^{-10} + 15x^{-8} + 90x^{-6} + 270x^{-4} + 405x^{-2} + 243$

17. $(5x + 3y)(25x^2 - 15xy + 9y^2)$

19. $\frac{4x^2 - 3x + 2}{(x-1)(x+2)}$

21. $\frac{x^2 - x + 12}{(x-4)(x+3)}$